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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/319,724	09/08/1999	GERLINDE LENZEN	045636-5025	3497

9629 7590 11/18/2002

MORGAN LEWIS & BOCKIUS LLP
1111 PENNSYLVANIA AVENUE NW
WASHINGTON, DC 20004

EXAMINER

BRANNOCK, MICHAEL T

ART UNIT

PAPER NUMBER

1646

DATE MAILED: 11/18/2002

14

Please find below and/or attached an Office communication concerning this application or proceeding.

Docketed 11-21-02 Attorney ECW/ECW/SEZ
Case 53356-5001
Due Date 12-18-02
Action Response Due
By SDW Chk 12/13

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DEA/FCE-1994

SERIAL NUMBER	FILING DATE	FIRST NAMED APPLICANT	
09319724			ATTORNEY DOCKET NO.

EXAMINER	
Michael Brannock	
ART UNIT	PAPER NUMBER
1646	14
DATE MAILED:	

Please find below a communication from the EXAMINER in charge of this application

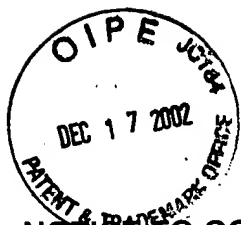
The reply filed on 9/3/02 is not fully responsive to the prior Office action (7/2/02) because of the following omission(s) or matter(s): This application contains sequence disclosures that are encompassed by the definitions for nucleotide and/or amino acid sequences set forth in 37 CFR 1.821(a)(1) and (a)(2). However, this application fails to comply with the requirements of 37 CFR 1.821 through 1.825. The computer readable form (CRF) of the raw sequence listing was found to contain errors, see attached Raw Sequence Listing Error Report.

Since the above-mentioned reply appears to be *bona fide*, applicant is given **ONE (1) MONTH or THIRTY (30) DAYS** from the mailing date of this notice, whichever is longer, within which to supply the omission or correction in order to avoid abandonment. EXTENSIONS OF THIS TIME PERIOD MAY BE GRANTED UNDER 37 CFR 1.136(a). Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael T. Brannock, Ph.D., whose telephone number is (703) 306-5876. The examiner can normally be reached on Mondays through Fridays from 8:00 a.m. to 4:00 p.m. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Yvonne Eyler, Ph.D., can be reached at (703) 308-6564. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 308-0196.

Michael T. Brannock

November 4, 2002

YVONNE EYLER, PH.D.
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 1601



Application No.: 09319724

**NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING
NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES**

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 C.F.R. 1.821 - 1.825 for the following reason(s):

- ☒ 1. This application clearly fails to comply with the requirements of 37 C.F.R. 1.821-1.825. Applicant's attention is directed to these regulations, published at 1114 OG 29, May 15, 1990 and at 55 FR 18230, May 1, 1990.
- ☐ 2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 C.F.R. 1.821(c).
- ☐ 3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 C.F.R. 1.821(e).
- ☒ 4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as indicated on the attached copy of the Raw Sequence Listing Error Report.
- ☐ 5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A Substitute computer readable form must be submitted as required by 37 C.F.R. 1.825(d).
- ☐ 6. The paper copy of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 C.F.R. 1.821(e).
- ☐ 7. Other: _____

Applicant Must Provide:

- ☒ An initial or substitute computer readable form (CRF) copy of the "Sequence Listing".
- ☒ An initial or substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification.
- ☒ A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 C.F.R. 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d).

For questions regarding compliance to these requirements, please contact:

For Rules Interpretation, call (703) 308-4216

For CRF Submission Help, call (703) 308-4212

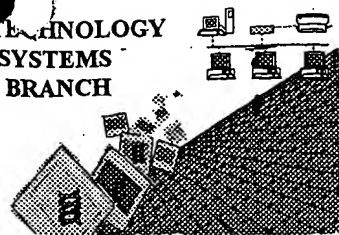
For PatentIn software help, call (703) 308-6856

PLEASE RETURN A COPY OF THIS NOTICE WITH YOUR RESPONSE

APPLICANT COPY



BIOTECHNOLOGY
SYSTEMS
BRANCH



1646

#K

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/319,724
Source: 1600
Date Processed by STIC: 9/12/2002

RECEIVED

SEP 24 2002

TECH CENTER 1600/2900

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER
VERSION 3.1 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/efb/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

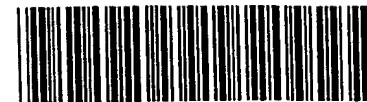
Revised 01/29/2002

SEP 24 2002

TECH CENTER 1600/2900

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER: 09/319,724
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE		
1 _____ Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 _____ Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.	
3 _____ Misaligned Amino Numbering	The numbering under each 5 th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.	
4 _____ Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.	
5 _____ Variable Length	Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.	
6 _____ PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.	
7 _____ Skipped Sequences (OLD RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.	
8 _____ Skipped Sequences (NEW RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000	
9 _____ Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.	
10 _____ Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial-Sequence	
11 _____ Use of <220>	Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)	
12 _____ PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	
13 _____ Misuse of n	n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.	



1600

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/319,724

DATE: 09/12/2002
 TIME: 15:45:21

Input Set : A:\aoyama5001.ST25.txt
 Output Set: N:\CRF4\09122002\1319724.raw

Does Not Comply
 Corrected Diskette Needed
 pp 3-4

3 <110> APPLICANT: VETIGEN
 4 LENZEN, Gerlinde
 5 STROSBURG, Arthur Donny
 6 SUGASAWA, Toshinari
 7 MOROOKA, Shigeaki
 9 <120> TITLE OF INVENTION: MAMMALIAN ICYP (IODOCYANOPINDOLOL) RECEPTOR AND ITS APPLICATIONS

11 <130> FILE REFERENCE: 053356-5001-US
 13 <140> CURRENT APPLICATION NUMBER: US 09/319,724
 14 <141> CURRENT FILING DATE: 1999-09-08
 16 <150> PRIOR APPLICATION NUMBER: EP 96402719.7
 17 <151> PRIOR FILING DATE: 1996-12-12
 19 <160> NUMBER OF SEQ ID NOS: 14
 21 <170> SOFTWARE: PatentIn version 3.1
 23 <210> SEQ ID NO: 1
 24 <211> LENGTH: 439
 25 <212> TYPE: PRT
 26 <213> ORGANISM: Homo sapiens
 28 <400> SEQUENCE: 1
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 31 1 5 10 15
 34 Glu Asn Gly Glu Asp Tyr Tyr Leu Trp Thr Tyr Lys Lys Leu Glu Ile
 35 20 25 30
 38 Gly Phe Asn Gly Asn Arg Ile Val Asp Val Asn Leu Thr Ser Glu Gly
 39 35 40 45
 42 Lys Val Lys Leu Val Pro Asn Thr Lys Ile Gln Met Ser Tyr Ser Val
 43 50 55 60
 46 Lys Trp Lys Lys Ser Asp Val Lys Phe Glu Asp Arg Phe Asp Lys Tyr
 47 65 70 75 80
 50 Leu Asp Pro Ser Phe Phe Gln His Arg Ile His Trp Phe Ser Ile Phe
 51 85 90 95
 54 Asn Ser Phe Met Met Val Ile Phe Leu Val Gly Leu Val Ser Met Ile
 55 100 105 110
 58 Leu Met Arg Thr Leu Arg Lys Asp Tyr Ala Arg Tyr Ser Lys Glu Glu
 59 115 120 125
 62 Glu Met Asp Asp Met Asp Arg Asp Leu Gly Asp Glu Tyr Gly Trp Lys
 63 130 135 140
 66 Gln Val His Gly Asp Val Phe Arg Pro Ser Ser His Pro Leu Ile Phe
 67 145 150 155 160
 70 Ser Ser Leu Ile Gly Ser Gly Cys Gln Ile Phe Ala Val Ser Leu Ile
 71 165 170 175
 74 Val Ile Ile Val Ala Met Ile Glu Asp Leu Tyr Thr Glu Arg Gly Ser
 75 180 185 190
 78 Met Leu Ser Thr Ala Ile Phe Val Tyr Ala Ala Thr Ser Pro Val Asn

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/319,724

DATE: 09/12/2002

TIME: 15:45:21

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82 Gly Tyr Phe Gly Gly Ser Leu Tyr Ala Arg Gln Gly Gly Arg Arg Trp
83          210          215          220
86 Ile Lys Gln Met Phe Ile Gly Ala Phe Leu Ile Pro Ala Met Val Cys
87 225          230          235          240
90 Gly Thr Ala Phe Phe Ile Asn Phe Ile Ala Ile Tyr Tyr His Ala Ser
91          245          250          255
94 Arg Ala Ile Pro Phe Gly Thr Met Val Ala Val Cys Cys Ile Cys Phe
95          260          265          270
98 Phe Val Ile Leu Pro Leu Asn Leu Val Gly Thr Ile Leu Gly Arg Asn
99          275          280          285
102 Leu Ser Gly Gln Pro Asn Phe Pro Cys Arg Val Asn Ala Val Pro Arg
103          290          295          300
106 Pro Ile Pro Glu Lys Lys Trp Phe Met Glu Pro Ala Val Ile Val Cys
107 305          310          315          320
110 Leu Gly Gly Ile Leu Pro Phe Gly Ser Ile Phe Ile Glu Met Tyr Phe
111          325          330          335
114 Ile Phe Thr Ser Phe Trp Ala Tyr Lys Ile Tyr Tyr Val Tyr Gly Phe
115          340          345          350
118 Met Met Leu Val Leu Val Ile Leu Cys Ile Val Thr Val Cys Val Thr
119          355          360          365
122 Ile Val Cys Thr Tyr Phe Leu Leu Asn Ala Glu Asp Tyr Arg Trp Gln
123          370          375          380
126 Trp Thr Ser Phe Leu Ser Ala Ala Ser Thr Ala Ile Tyr Val Tyr Met
127 385          390          395          400
130 Tyr Ser Phe Tyr Tyr Tyr Phe Phe Lys Thr Lys Met Tyr Gly Leu Phe
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152 gatgttaatc taactagtga aggaaagggt aaactgggtc caaatactaa aatccagatg      180
154 tcatattcag taaaatggaa aaagtcagat gtgaaatttg aagatcgatt tgacaaatat      240
156 cttgatccgt ctttttttca acatcggatt cattggtttt caattttcaa ctcttcatg      300
158 atggtgatct tcttggtggg cttagtttca atgattttta tgagaacatt aagaaaagat      360
160 tatgctcggg acagtaaaga ggaagaaatg gatgatatgg atagagacct aggagatgaa      420
162 tatggatgga aacagggtgca tggagatgta tttagaccat caagtcaccc actgatattt      480
164 tcctctctga ttggttctgg atgtcagata tttgctgtgt ctctcatcgt tattattggt      540
166 gcaatgatag aagattttata tactgagagg ggatcaatgc tcagtacagc catatttgtc      600
168 tatgctgcta cgtctccagt gaatggttat tttggaggaa gtctgtatgc tagacaagga      660
170 ggaaggagat ggataaagca gatgtttatt ggggcattcc ttatcccagc tatgggtgtg      720
172 ggcactgcct tcttcatcaa tttcatagcc atttattacc atgcttcaag agccattcct      780

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/319,724

DATE: 09/12/2002

TIME: 15:45:21

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174 tttggaacaa tgggtggcgt ttgttgcacg tgtttttttg ttattcttcc tctaaatctt      840
176 gttggtacaa tacttggccg aaatctgtca ggtcagccca actttccttg tctgttcaat      900
178 gctgtgcctc gtcctatacc ggagaaaaaa tggttcatgg agcctgcggt tattgtttgc      960
180 ctgggtggaa ttttaccttt tggttcaatc tttattgaaa tgtatttcat ctacacgtct    1020
182 ttctgggcat ataagatcta ttatgtctat ggcttcatga tgcctgggtgct ggttatcctg    1080
184 tgcattgtga ctgtctgtgt gactattgtg tgcacatatt ttctactaaa tgcagaagat    1140
186 taccggtggc aatggacaag tttctctctc gctgcatcaa ctgcaatcta tgtttacatg    1200
188 tattcctttt actactattt tttcaaaaca aagatgtatg gcttatttca aacatcattt    1260
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201 aaatatcttg atcgcctcct ttttcaacat cggattcatt ggttttcaat tttcaactcc    120
203 ttcattgatg tgatcttctt ggtgggctta gtttcaatga ttttaatgag aacattaaga    180
205 aaagattatg ctcggtacag taaagaggaa gaaatggatg atatggatag agacctagga    240
207 gatgaatatg gatggaaaca ggtgcatgga gatgtattta gaccatcaag tcacccactg    300
209 atattttcct ctctgattgg ttctggatgt cagatatttg ctgtgtctct catcgttatt    360
211 attgttgcaa tgatagaaga tttatatact gagaggggat caatgctcag tacagccata    420
213 tttgtctatg ctgctacgtc tccagtgaat ggttatttta gaggaagtct gtatgctaga    480
215 caagygaggaa ygagatggat aaagcagatg tttattgggg cattecttat cccagctatg    540
217 gtgtgtggca ctgccttctt catcaatttc atagccattt attaccatgc ttcaagagcc    600
219 attccttttg gaacaatggg ggccgtttgt tgcactctgt tttttgttat tcttctctta    660
221 aatcttggtg gtacaatact tggccgaaat ctgtcaggtc agcccaactt tccttgtcgt    720
223 gtcaatgctg tgctcgtcc tataccggag aaaaaatggg tcatggagcc tgcggttatt    780
225 gtttgcttgg gtggaatttt accttttggg tcaatcttta ttgaaatgta tttcatcttc    840
227 acgtctttct gggcatataa gatctattat gtctatggct tcatgatgct ggtgctgggt    900
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231 gaaga
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235 <211> LENGTH: 285
236 <212> TYPE: DNA
237 <213> ORGANISM: Homo sapiens
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242 ccgtcctttt ttcaacatcg gattcattgg ttttcaattt tcaactcctt catgatggtg    120
244 atcttcttgg tgggcttagt ttcaatgatt ttaatgagaa cattaagaaa agattatgct    180
246 cggtagagta aagaggaaga aatggatgat atggatagag acctaggaga tgaatatgga    240
248 tggaaacagg tgcattgaga tgtatttaga ccatcaagtc accca      285
251 <210> SEQ ID NO: 5
252 <211> LENGTH: 17
253 <212> TYPE: PRT
254 <213> ORGANISM: Artificial sequence
256 <220> FEATURE:
257 <223> OTHER INFORMATION: Peptide sequence
259 <400> SEQUENCE: 5
261 Asp Pro Ser Phe Phe Gln His Arg Ile His Trp Phe Ser Ile Phe Asn

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insufficient explanation - give source of genetic material
(see item 11 on Enr summary sheet)

RAW SEQUENCE LISTING

DATE: 09/12/2002

PATENT APPLICATION: US/09/319,724

TIME: 15:45:21

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Output Set: N:\CRF4\09122002\I319724.raw

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262 1          5          10          15
265 Ser
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271 <212> TYPE: PRT
272 <213> ORGANISM: Artificial sequence
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278 <221> NAME/KEY: MISC_FEATURE
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311 <223> OTHER INFORMATION: probe/primer
313 <400> SEQUENCE: 8
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317 <210> SEQ ID NO: 9
318 <211> LENGTH: 19
319 <212> TYPE: DNA
320 <213> ORGANISM: Artificial sequence
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323 <223> OTHER INFORMATION: probe/primer
325 <400> SEQUENCE: 9
326 gctgtgtctc tcatcgta
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335 <223> OTHER INFORMATION: probe/primer
337 <400> SEQUENCE: 10
338 ccatccatat tcatctccta
341 <210> SEQ ID NO: 11

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RAW SEQUENCE LISTING
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344 <213> ORGANISM: Artificial sequence
346 <220> FEATURE:
347 <223> OTHER INFORMATION: probe/primer
349 <400> SEQUENCE: 11
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353 <210> SEQ ID NO: 12
354 <211> LENGTH: 18
355 <212> TYPE: DNA
356 <213> ORGANISM: Artificial sequence
358 <220> FEATURE:
359 <223> OTHER INFORMATION: probe/primer
361 <400> SEQUENCE: 12
362 actgaatatg acatctgg 18
365 <210> SEQ ID NO: 13
366 <211> LENGTH: 1800
367 <212> TYPE: DNA
368 <213> ORGANISM: Homo sapiens
370 <220> FEATURE:
371 <221> NAME/KEY: CDS
372 <222> LOCATION: (3)..(1730)
373 <223> OTHER INFORMATION:
375 <400> SEQUENCE: 13
376 cc gcc gcg ctg tgg ctg ctg ctg ctg ccc cgg acc cgg gcg 47
377 Ala Ala Leu Trp Leu Leu Leu Leu Leu Pro Arg Thr Arg Ala
378 1 5 10 15
380 gac gag cac gaa cac acg tat caa gat aaa gag gaa gtt gtc tta tgg 95
381 Asp Glu His Glu His Thr Tyr Gln Asp Lys Glu Glu Val Val Leu Trp
382 20 25 30
384 atg aat act gtt ggg ccc tac cat aat cgt caa gaa aca tat aag tac 143
385 Met Asn Thr Val Gly Pro Tyr His Asn Arg Gln Glu Thr Tyr Lys Tyr
386 35 40 45
388 ttt tca ctt cca ttc tgt gtg ggg tca aaa aaa agt atc agt cat tac 191
389 Phe Ser Leu Pro Phe Cys Val Gly Ser Lys Lys Ser Ile Ser His Tyr
390 50 55 60
392 cat gaa act ctg gga gaa gca ctt caa ggg gtt gaa ttg gaa ttt agt 239
393 His Glu Thr Leu Gly Glu Ala Leu Gln Gly Val Glu Leu Glu Phe Ser
394 65 70 75
396 ggt ctg gat att aaa ttt aaa gat gat gtg atg cca gcc act tac tgt 287
397 Gly Leu Asp Ile Lys Phe Lys Asp Asp Val Met Pro Ala Thr Tyr Cys
398 80 85 90 95
400 gaa att gat tta gat aaa gaa aag aga gat gca ttt gta tat gcc ata 335
401 Glu Ile Asp Leu Asp Lys Glu Lys Arg Asp Ala Phe Val Tyr Ala Ile
402 100 105 110
404 aaa aat cat tac tgg tac cag atg tac ata gat gat tta cca ata tgg 383
405 Lys Asn His Tyr Trp Tyr Gln Met Tyr Ile Asp Asp Leu Pro Ile Trp
406 115 120 125
408 ggt att gtt ggt gag gct gat gaa aat gga gaa gat tac tat ctt tgg 431

```

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/319,724

DATE: 09/12/2002
TIME: 15:45:22

Input Set : A:\aoyama5001.ST25.txt
Output Set: N:\CRF4\09122002\I319724.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:6; Xaa Pos. 3

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/319,724

DATE: 09/12/2002

TIME: 15:45:22

Input Set : A:\aoyama5001.ST25.txt

Output Set: N:\CRF4\09122002\I319724.raw

L:285 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0

* NOTE TO APPLICANT: PAGE 8 IS NOT TO BE SENT TO APPLICANT
AND IS NOT NEEDED BY APPLICANT.

W